

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	2	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and pitch\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:41
L3	2	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and pitch\$4 same normali\$6	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:41
L4	11	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4 and LPC and pitch\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:48
L5	4135	piec\$4wise near3 linear\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:57
L6	279	piec\$4wise near3 linear\$5 same linear\$4 near interpolat\$6	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:58
L7	279	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:58
L8	2	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:59
L9	50	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:59
L10	5	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4 and fix\$4 near (sampl\$4 fram\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:01
L11	50	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:01
L12	24	(piec\$4wise near3 linear\$5) same (linear\$4 near interpolat\$6) and residual\$4 and (speech voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:02
L13	4	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment)) and (lpc or (linear near predict\$4)).ti,ab,bsum. and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:08
L14	223	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment)) and (lpc or (linear near predict\$4)))	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:09

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L15	8	((pitch\$4 near3 (adjusted adjustment adjusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
L16	2199	cardinalit\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
L17	54	cardinalit\$5 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:11
L18	5	cardinalit\$5 and piec\$4wis\$4 and linear\$4 near4 interpolat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:12
L19	1	cardinalit\$5 and piec\$4wis\$4 and linear\$4 near4 interpolat\$5 AND RESIDUAL\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:12
L20	1	fix\$4 with residual\$4 same piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:17
L21	49	fix\$4 with residual\$4 AND piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:17
L22	18	fix\$4 with residual\$4 AND piec\$4wis\$4 and linear\$4 near interpolat\$5	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:20
L23	1415467	piec\$4wis\$4 near\$4 linear\$4 with function\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:21
L24	1375722	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:21
L25	1370583	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix near (fram\$4 sampl\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
L26	1370582	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
L27	1370602	piec\$4wis\$4 near\$4 linear\$4 with function\$4 and residual\$4 and fix\$4 near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
L28	13	piec\$4wis\$4 near4 linear\$4 with function\$4 and residual\$4 and fix\$4 near (fram\$4 sampl\$4) and interpolat\$7	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:22
S1	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:05
S2	406	compensat\$6 with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:06
S3	966	(compensat\$6 consider\$7) with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:07

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S4	406	(compensat\$6) with (fundamental near2 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:07
S5	9	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4) with pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:10
S6	5	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4) with pitch\$4) and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:11
S7	8	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:13
S8	7	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:13
S9	6	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5 and residual\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:13
S10	3	(compensat\$6) with (fundamental near2 frequenc\$4) and ((vary variation\$4 varies\$4 artifact\$4 chang\$4 alter\$7) with pitch\$4) and (speech\$4 voic\$4) and filter\$5 and residual\$6 and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:22
S11	3310	(speech\$4 voic\$4) and filter\$5 and residual\$6 and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:22
S12	1036	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:30
S13	263	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:30
S14	96	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4) with (model)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:33
S15	7	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near3 tract\$4) with (model near3 parameter\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:31

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S16	13	(speech\$4 voic\$4) and (filter\$5 with residual\$6) and synthesi\$6 and (vocal\$4 near tract\$4) with (model) and (((speech\$4 voic\$4) with residual) same fix\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/22 21:41
S17	4	((((speech\$4 voic\$4) near2 signal\$4)) with residual) same (fix\$4 near3 sampl\$5)	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:17
S18	1	"20040260552".did.	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:09
S19	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 16:09
S20	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 16:14
S21	0	("2004/0260552").URPN.	USPAT	OR	OFF	2006/03/27 16:14
S22	152	(match\$4 compar\$6) with (frequenc\$5 near pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:37
S23	272	(match\$4 compar\$6) with (frequenc\$5 near2 pitch\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 16:38
S24	91	(match\$4 compar\$6) with (frequenc\$5 near2 pitch\$4) same (speech\$4 voic\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:00
S25	3	thierry and dutoit	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:06
S26	0	thierry and dutoit and LPC	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:02
S27	161	dutoit	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:06
S28	26	dutoit and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:06
S29	9	dutoit and "704"/\$.ccls. and LPC	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:07
S30	6	dutoit and "704"/\$.ccls. and LPC and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:09
S31	6	dutoit and "704"/\$.ccls. and LPC and residual\$4 and (pitch\$4 frequenc\$4)	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:30
S32	3	dutoit and "704"/\$.ccls. and LPC and residual\$4 and (adapt\$6 sensitiv\$5 compensat\$6 with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:35
S33	2	dutoit and "704"/\$.ccls. and LPC and residual\$4 and ((adapt\$6 sensitiv\$5 compensat\$6) with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:45

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S34	606	LPC and residual\$4 and ((adapt\$6 sensitiv\$5 compensat\$6) with (pitch\$4 frequenc\$4))	US-PGPUB; USPAT	OR	OFF	2006/03/27 17:45
S35	1	"20040122840".did.	US-PGPUB; USPAT	OR	OFF	2006/03/29 17:35
S36	19	((pitch\$4 near3 (adjusted adjustment ajusting adjust))) and (lpc or (linear near predict\$4)).ti, ab.	US-PGPUB; USPAT	OR	OFF	2006/03/29 17:44
S37	28	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)).ti,ab.	US-PGPUB; USPAT	OR	OFF	2006/03/29 17:45
S38	124	((pitch\$4 near3 (adjusted adjustment ajusting adjust variable avriation adjusted adjustment))) and (lpc or (linear near predict\$4)).ti,ab,bsum.	US-PGPUB; USPAT	OR	OFF	2006/04/02 13:09
S39	1	"5787389".pn.	US-PGPUB; USPAT	OR	OFF	2006/03/29 17:47
S40	1	"5787398".pn. and tim\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 11:56
S41	1	"5787398".pn. and tim\$4 same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 11:59
S42	0	"5787398".pn. and (contiguous adjacent\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:00
S43	0	"5787398".pn. and (contiguous\$4 adjacent\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:01
S44	1	"5787398".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:05
S45	0	"5787398".pn. and dynamic44	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:05
S46	0	"5787398".pn. and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:05
S47	0	"5787398".pn. and warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:05
S48	0	"5787398".pn. and (recognition\$4 RECOGNIZ\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:06
S49	0	"5787398".pn. and cyclical\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:06
S50	0	"5787398".pn. and cycl\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:06
S51	1	"5787398".pn. and shift\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:16

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S52	0	"5787398".pn. and shift\$4 and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:07
S53	0	"5787398".pn. and non\$4linear\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:07
S54	1	"5787398".pn. and linear\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:14
S55	1	("5797389" "6950798" "6223153").pn. and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:18
S56	0	("5797389" "6950798" "6223153").pn. and dynamic\$5 near3 warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:15
S57	0	("5797389" "6950798" "6223153").pn. and dynamic\$5 and warp\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:15
S58	1	"5787398".pn. and identical\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:17
S59	1	"5787398".pn. and identical\$4 and map\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:18
S60	0	"5787398".pn. and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:18
S61	1	("5797389" "6950798" "6223153").pn. and normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:18
S62	13571	cycl\$7 near3 shift\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:19
S63	378	cycl\$7 near3 shift\$4 with normal\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:19
S64	3	(cycl\$7 near3 shift\$4 with normal\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:37
S65	1	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:22
S66	0	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and (recogni\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:21
S67	0	"5651090".pn. and (cycl\$7 near3 shift\$4 with normal\$6) same residual\$4 and dynamic\$5	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:21
S68	162	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6)	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:22
S69	90	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and dynamic\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:22

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S70	30	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and dynamic\$4 near3 warp\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:23
S71	30	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4)	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:23
S72	10	residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:29
S73	1	(US-4831551-\$).did.	USPAT	OR	OFF	2006/04/01 12:42
S74	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4	USPAT	OR	OFF	2006/04/01 12:42
S75	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4)	USPAT	OR	OFF	2006/04/01 12:44
S76	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and fix\$5	USPAT	OR	OFF	2006/04/01 12:44
S77	0	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and cardin\$5	USPAT	OR	OFF	2006/04/01 12:45
S78	0	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and cardinalit\$4	USPAT	OR	OFF	2006/04/01 12:45

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S79	1	(US-4831551-\$).did. and residual\$4 same ((speaker\$4 speech\$4 voic\$4) near3 recogni\$6) and (dynamic\$4 near3 warp\$4) and non\$4linear\$4 and (sequenc\$4 same adjacent\$4) and equal\$4	USPAT	OR	OFF	2006/04/01 12:45
S80	0	"5651090".pn. and recogni\$6	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:54
S81	1	"4831551".pn. and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:54
S82	0	"4831551".pn. and residual\$4 same linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:54
S83	1	"4831551".pn. and residual\$4 and linear\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:54
S84	0	"4831551".pn. and residual\$4 and linear\$4 near3 interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:55
S85	0	"4831551".pn. and residual\$4 and linear\$4 and interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:55
S86	1	"4831551".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:56
S87	1	"4941178".pn. and sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 12:57
S88	1	"4941178".pn. and sequenc\$4 and residual\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:01
S89	1	"5651090".pn.	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:00
S90	0	"5651090".pn. and recog\$7	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:00
S91	10069	residual\$4 same sequenc\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:02
S92	3	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:03
S93	1	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4 same (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:04
S94	1	residual\$4 same sequenc\$4 same linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:04
S95	54	residual\$4 same sequenc\$4 and linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4))	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:04

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S96	7	residual\$4 same sequenc\$4 and linear\$4 near4 interpolation\$4 and (fix\$4 near4 (fram\$4 sampl\$4)) and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:05
S97	934	linear\$4 near4 interpolation\$4 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:13
S98	21	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4	US-PGPUB; USPAT	OR	OFF	2006/04/01 13:15
S99	11	linear\$4 near4 interpolation\$4 same residual\$4 and piec\$4wis\$4 and LPC	US-PGPUB; USPAT	OR	OFF	2006/04/02 12:57